Claims

- 1 1. A method for scrambling an analog signal, comprising:
- a) receiving an analog signal;
- b) converting said received analog signal into an intermediate frequency signal;
- 4 c) generating a gaussian pseudo-random noise signal; and
- d) combining said intermediate frequency signal and said gaussian pseudo random noise signal.
- The method according to claim 1, wherein step b) comprises converting said received
 analog signal into a single side band intermediate frequency signal.
- 1 3. The method according to claim 1, wherein step c) comprises:
- a) generating a pseudo-random noise signal based on a password;
- 3 b) filtering said pseudo-random noise signal; and
- c) converting said filtered pseudo-random noise signal into a gaussian frequency
 distribution signal.
- 1 4. The method according to claim 1, wherein step d) comprises combining said
- 2 intermediate frequency signal and said gaussian pseudo-random noise signal to form
- 3 a radio frequency signal.

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- 1 5. A method for de-scrambling an analog signal, comprising:
- a) receiving a scrambled analog signal;
- 3 b) converting said scrambled signal into an intermediate frequency signal;
- 4 c) generating a gaussian pseudo-random noise signal; and
- d) combining said intermediate frequency signal and said gaussian pseudo random noise signal.
 - 6. The method according to claim 5, wherein step b) comprises converting said scrambled signal into a single side band intermediate frequency signal.
- 1 7. The method according to claim 5, wherein step c) comprises:
 - a) generating a pseudo-random noise signal based on a password used for said scrambled signal;
- b) filtering said pseudo-random noise signal; and
- 5 c) converting said filtered pseudo-random noise signal into a gaussian frequency distribution signal.
 - 8. The method according to claim 5, wherein step d) comprises using a frequency
- 2 converter to combine said intermediate frequency signal and said gaussian frequency
- 3 distribution signal.

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b) filtering said pseudo-random noise signal; and

A method for scrambling and de-scrambling an analog signal, comprising:

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4	c)	converting said filtered pseudo-random noise signal into a gaussian frequency
5		distribution signal.

- 1 12. The method according to claim 9, wherein step d) comprises combining said
 2 intermediate frequency signal and said gaussian pseudo-random noise signal to form
 3 a radio frequency signal.
- 1 13. The method according to claim 9, wherein step e) comprises converting said
 2 scrambled signal into a second single side band intermediate frequency signal.
 - 14. The method according to claim 11, wherein step f) comprises:
 - a) generating a pseudo-random noise signal based on said predetermined key;
- 3 b) filtering said pseudo-random noise signal; and
- c) converting said filtered pseudo-random noise signal into a gaussian frequency
 distribution signal.
- 1 15. The method according to claim 9, wherein step g) comprises using a frequency
- 2 converter to combine said intermediate frequency signal and said gaussian frequency
- 3 distribution signal.